

NOVELTIES FROM BRAZIL, PERU, VENEZUELA, AND THAILAND

Harold N. Moldenke

*CITHAREXYLUM FLEXUOSUM* var. *GLABERRIMUM* Moldenke, var. nov.

Haec varietas a forma typica speciei foliis utrinque glaberrimis nitidisque differt.

This variety differs from the typical form of the species in having both surfaces of its leaf-blades completely glabrous and shiny.

The type of the variety was collected by C. Earle Smith, Jr., and Jacinto Blas (no. 4905) along the trail to the cave across the Río Santo from Mancos, Callejon de Huaylas, Ancash, Peru, on April 9, 1970, and is deposited in the United States National Herbarium at Washington. The collectors describe the plant as a closely branched shrub to 2 meters tall, the fruit being shiny and black.

*CLERODENDRUM SCHMIDTII* var. *MACROPHYLLUM* Moldenke, var. nov.

Haec varietas a forma typica speciei laminis foliorum 25--28 cm. longis 13--14.5 cm. latis et petiolis 8--13 cm. longis recedit.

This variety differs from the typical form of the species in having its petioles 8--13 cm. long and the leaf-blades 25--28 cm. long and 13--14.5 cm. wide.

The type of the variety was collected by Ch. Charoenphol, Kai Larsen, and E. Warncke (no. 5022) at Ko Rang Yai, 20 km. south of Ko Chang, in southeastern Thailand, 11°48' N., 102°23' E., on November 19, 1970, and is deposited in the Herbarium Jutlandicum of the Botanisk Institut, Aarhus Universitet, Aarhus, Denmark. The collectors describe the calyx as "whitish green with a little red" and the corollas as white.

*LANTANA ARMATA* var. *VELUTINA* Moldenke, var. nov.

Haec varietas a forma typica speciei laminis foliorum subtus petiolisque pedunculisque ramulisque sarmentisque ubique densissime breviterque velutinoso-pubescentibus recedit.

This variety differs from the typical form of the species in the lower surface of its leaf-blades, its petioles, its peduncles, branchlets, and twigs very densely velutinous-pubescent with very short and soft hairs, not at all hirsute nor hispidulous.

The type of the variety was collected by Santiago López-Palacios (no. 2616) at El Rincón, near Ureña, Táchira, Venezuela, on December 8, 1971, and is deposited in my personal herbarium at Plainfield, New Jersey. The collector notes "Arbusto aparentemente inerme, hojas ovales a oval-lanceoladas, membranáceas, un poco ásperas por la haz cuando secas, velutinosas por el envés. Pedúnculos por lo general menores que las hojas. Brácteas pequeñ-

as, lineal lanceoladas. Flores amarillas que cambian a anaranjado."

*PAEPALANTHUS DICHOTOMUS* var. *BRASILIENSIS* Moldenke, var. nov.

Haec varietas a forma typica speciei foliis 3--5 mm. longis 1 mm. latis glabris nitidisque ad apicem acutissimis et pedunculis abbreviatis 4--10 mm. longis recedit.

This variety differs from the typical form of the species in having its rosulate leaves only 3--5 mm. long and 1 mm. wide, thick in texture, stiffly erect, glabrous and shiny, very acute at the apex, and the peduncles much abbreviated, only 4--10 mm. long.

The type of the variety was collected by Gert Hatschbach (no. 27425) along the road near Salto da Divisa, in the municipality of Diamantina, Minas Gerais, Brazil, at 1300 meters altitude, on September 7, 1971, and is deposited in my personal herbarium at Plainfield, New Jersey.

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ADDITIONAL NOTES ON THE GENUS VERBENA. X

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*VERBENA* [Dorst.] L.

Additional & emended bibliography: Gattinger, *Med. Pl. Tenn.* 63--64. 1894; Reiche & Phil., *Fl. Chil.* 5: 271--298, 300, 302, 304, & 463. 1910; Graves, Eames, Bissell, Andrews, Harger, & Weatherby, *Bull. Conn. Geol. & Nat. Hist. Surv.* 14: [Cat. Flow. Pl.] 330--332. 1910; Harger, *Bull. Conn. Geol. & Nat. Hist. Surv.* 48: 74. 1930; Gathercoal, *Checklist Nat. & Introd. Drug Pl.* [22]. 1942; Beston, *Herbs & Earth* 60--62, 131, & 133. 1950; Goossens, *Suid-Afrik. Flom. Pl.* 185. 1953; Fogg, *Weeds Lawn & Gard.* 141. 1956; Haramaki, *Weed Abstr.* 14: 256. 1965; Ferrándiz, *Guía Med. Veg.* 388--389. 1967; Tawada, *Okinawa Seibutsugakki [Biol. Mag. Okinawa]* 4 (6): 36. 1968; McCarthy & Morrow, *Proc. 24th N. Cent. Weed Control Conf.* 64. 1969; Soukup, *Raymondiana* 3: 26, 57, & 91. 1970; Graf, *Exot. Pl. Man.*, ed. 1, 320, 378, 410, & 411. 1970; Bright of America, *Summersville, W. Va.*, 25.GC.70 *Petunias & Verbenas.* 1970; Mayall, *Weed Abstr.* 20: 321. 1971; Moldenke, *Fifth Summ.* 1: 6, 10, 14--25, 27, 30--54, 57--66, 74--78, 81, 82, 84--86, 89, 91, 92, 98, 99, 101, 104--106, 109, 111, 120, 128, 137, 138, 143, 144, 177--179, 184, 187--190, 192--194, 200--211, 213--215, 222, 231, 234, 238, 241, 246, 248, 252, 255, 257, 262, 264--267, 269--271, 278, 279, 281, 284, 290, 292, 294, 293, 303, 306, 308, 311--313, 318, 328, 337, 341, 343, 344, 349--353, 369--373, 375, 376, 389--391, 396, 397, 400, 402, 421, 468, 471, & 473 (1971) and 2: 491, 492, 520--523, 525--527, 531, 534, 548, 558, 559, 568, 569, 575, 593, 594, 618--621, 645, 648--710, 736, 738, 741, 742, 744, 752, 766, 767, 769,